

XIV.—*Descriptions of some new species of Chalcidites.* By  
FRANCIS WALKER, Esq., F.L.S.

*Isosoma Hordei* (Harris MSS.), Mas. *Atrum, antennæ nigrae, pedes fulvi, femora piceo-vittata, tarsi flavi, alæ limpidæ.*

Corpus atrum, convexum, angustum, sublineare, parum nitens, scite punctatum, parce hirtum: caput transversum, breve, thorace vix latius; vertex latus; frons impressa, abrupte declivis: oculi picei, mediocres, non extantes: antennæ nigrae, pubescentes, filiformes, graciles, corpore breviores: thorax fusiformis: prothorax magnus, transversus: mesothoracis scutum longitudine latius; parapsidum suturæ bene determinatæ, postice approximatae; scutellum subconicum: metathorax sat magnus, declivis, obconicus: petiolus sat longus: abdomen sublineare, nitens, læve, thorace brevius; segmenta 1<sup>um</sup> et 2<sup>um</sup> magna: pedes fulvi, simplices, subæquales; coxæ nigrae; femora piceo-vittata; tarsi flavi, apice fuscii: alæ limpidæ; squamulæ piceæ; nervi fulvi; nervus humeralis ulnari duplo longior, radialis ulnari multo brevior cubitali vix longior, cubitalis sat longus; stigma minutum. (Corp. long. lin. 1½; alar. lin. 2.)

Parasitic on a species of *Cecidomyia*. Presented to me by Dr. Harris of Philadelphia.

*Isosoma Laothoe*, Fem. *Atrum, prothoraci maculis genubusque flavis, tarsi piceis, alis limpidis, nervis fulvis.*

*Atrum*, convexum, punctatum, parce pubescens, parum nitens: caput thorace vix latius: oculi et ocelli picei: antennæ graciles, extrorsum crassiores, thorace paullo breviores: prothorax mesothorace angustior utrinque flavo-maculatus: mesothoracis parapsides extantes, suturæ optime determinatæ; scutellum parvum: metathorax declivis, convexus, carinatus: petiolus brevis: abdomen fusiforme, nitens, læve, glabrum, apice acuminatum, thorace vix longius; segmenta 1<sup>um</sup> et 2<sup>um</sup> parva; 3<sup>um</sup> et 4<sup>um</sup> longiora; 5<sup>um</sup> et 6<sup>um</sup> breviora: pedes nigri; genua flava; tarsi picei: alæ limpidæ; squamulæ piceæ; nervi fulvi. (Corp. long. lin. 1; alar. lin. 1½.)

Taken by Dr. Greville at Juniper Green near Edinburgh.

*Perilampus Entellus*, Mas. *Viridis, antennæ piceæ, pedes virides fulvo-cincti, tarsi fulvi, alæ limpidæ.* Fem. *Cyaneus, antennæ nigrae.*

*Mas.* Corpus breve, crassum, convexum, viride, nitens, rude punctatum, parce hirtum: caput transversum, breve, thoracis latitudine; vertex latus, æneo-variis; frons cyanea, impressa, fere lævis, abrupte declivis: oculi rufi, mediocres, non extantes: antennæ piceæ, longifusiformes, thorace paullo breviores; articuli valde approximati; 1<sup>us</sup> longus, gracilis, cyaneus, thorax ovatus: prothorax transversus, brevis: mesothoracis scutum longitudine latius; parapsidum suturæ non bene determinatæ, postice approximatae; scutellum magnum, obconicum, apice elevatum, metathoracem fere obtogens: metathorax transversus, abrupte declivis, postice angustus: petiolus brevissimus: abdomen læve, contractum, latitudine vix longius; segmenta 1<sup>um</sup> et 2<sup>um</sup> maxima; pedes virides, pubescentes, simplices, subæquales; trochanteres fulvi; genua fulva; tibiæ apice fulvæ; tarsi fulvi, apice fuscii: alæ limpidæ; squamulæ piceæ; nervi fuscii; nervus humeralis ulnari plus duplo longior, radialis ulnari paullo brevior cubitali multo longior, cubitalis brevis; stigma minutum.

*Fem.* Corpus cyaneum: antennæ nigrae: pedes cyaneo-varii. (Corp. long. lin. 1¾—2; alar. lin. 3—3¾.)

*Var. β. Mas.* Tarsi flavi, apice fuscii.

*Var. γ. Fem.* Corpus purpureo-variis.

Found by R. Forster, Esq. in Ohio.

Callimome Æa, Fem. *Cyaneus, antennæ nigræ, pedes cyanei fulvo-cincti, tarsi flavi, alæ limpidæ.*

Corpus sublineare, convexum, cyaneum, nitens, scitissime squameum, parce hirtum: caput transversum, breve, thoracis latitudine; vertex sat latus; frons impressa, abrupte declivis: oculi rufi, mediocres, non extantes: antennæ nigræ, extrorsum crassiores, media fronte insertæ, thorace paulo breviores; articulus 1<sup>us</sup> longus, gracilis, fulvus; 2<sup>us</sup> cyathiformis; 3<sup>us</sup> et 4<sup>us</sup> minimi; 5<sup>us</sup> et sequentes breves, approximati; clava conica, articulo 10<sup>o</sup> longior: thorax longiovatus: prothorax conicus, mediocris: mesothoracis scutum longitudine non latius; parapsidum suturæ bene determinatæ, postice approximata; scutellum subconicum: metathorax mediocris, declivis, obconicus: petiolus brevis: abdomen longiovatum, læve, compressum, profunde carinatum, thorace non longius; segmentum 1<sup>um</sup> magnum: oviductus exsertus; vaginæ nigræ, abdomine longiores: pedes cyanei, simplices, subæquales; trochanteres picei; genua fulva; tibiæ apice fulvæ; tarsi flavi, apice fusi; protibiæ fulvæ: alæ limpidæ; squamulæ piceæ; nervi picei; nervus humeralis ulnari multo longior, radialis ulnari brevior, cubitalis brevissimus; stigma minutum. (Corp. long. lin. 2; alar. lin. 2.)

Taken by E. Doubleday, Esq. near New York.

Trichogramma Carina. *Niger, antennæ fuscæ, pedes picei, alæ limpidæ.*

Corpus nigrum, breve, depressum, nitens, læve, parce hirtum: caput transversum, brevissimum, impressum, thoracis latitudine; vertex sat latus; frons abrupte declivis: oculi picei, mediocres, non extantes: antennæ fuscæ, hirtæ, fusiformes, thorace longiores; articulus 1<sup>us</sup> longus, gracilis, fusiformis; 2<sup>us</sup> cyathiformis; 3<sup>us</sup> et sequentes ad 7<sup>um</sup> clavam fingentes fusiformem: thorax ovatus: prothorax transversus, supra non conspicuus: mesothoracis scutum longitudine latius; parapsidum suturæ non bene determinatæ; scutellum parvum: metathorax brevissimus: petiolus nullus: abdomen sublineare, thorace paulo longius vix angustius: pedes picei, simplices, subæquales: alæ limpidæ; proalæ latissimæ; squamulæ piceæ; nervi fusi, costæ dimidii vix longitudine. (Corp. long. lin.  $\frac{1}{4}$ ; alar. lin.  $\frac{1}{4}$ .)

July: Forest of Fontainebleau.

XV.—On the Diatomacæ. By JOHN RALFS, Esq., M.R.C.S.,  
Penzance\*.

[With Plates.]

[Continued from vol. xi. p. 457.]

TESSELLA, Eh.

FILAMENTS free; frustules irregularly separating and adhering by the angles, striated.

*Striatella, Tabellaria, Tetracyclus* and this genus form a distinct group of the *Cymbelleæ*, distinguished from the other genera by having striæ on the central portion of the frustule. *Tessella* differs from *Striatella*, as its filaments are not attached †; from *Tetracyclus*, as its frustules here and there cohere at their angles; and from *Tabellaria*, as its striæ are not interrupted in the centre.

1. *T. catena*, Eh. Frustules with several longitudinal series of short

\* Read before the Botanical Society of Edinburgh.

† “Sæpe implexum nec affixum.”—Ehrenberg, Die Inf. p. 201.